

| Set | Items | Description |
|--|---------|--|
| S1 | 1597406 | UPDAT? OR UP() (DATING OR DATE?) OR VERSION? OR REVISION? OR MODIFICATION? OR BETA |
| S2 | 1066991 | RETURN? OR RETRIEV? OR ROLLBACK? OR ROLL()BACK? OR REINSTA-T? |
| S3 | 4654024 | ORIGINAL? OR OLDER? OR PREVIOUS? OR FIRST? OR 1ST OR UNREV-IS? OR UNMODIF? |
| S4 | 1558 | TRANSFORMATION()OPERATOR? OR (DIFFERENC? OR CHANG? OR REVI-SION?) () (FILE? OR DATASET?) |
| S5 | 182422 | S1 AND S2 AND S3 |
| S6 | 403 | S4 AND S5 |
| S7 | 6222 | S2(2N)S3 AND S1 |
| S8 | 5323 | S7 AND (SOFTWARE? OR APPLICATION? OR FILE? OR PROGRAM?) |
| S9 | 181693 | S3(2N) (FILE? OR SOFTWARE? OR PROGRAM? OR APPLICATION?) |
| S10 | 569 | S4 AND (OVERWIT? OR OVER() (WRITE? OR WRITTEN OR WRITING) - OR RECOVER? OR RESTOR?) |
| S11 | 429 | SYSTEM()RESTORE? OR MICROSOFT()WHISTLER |
| S12 | 4 | S4 AND S11 |
| S13 | 10 | S1(S)S2(S)S3(S)S4 |
| S14 | 104 | S2(2N)S3(S)S1(S)S9 |
| S15 | 91 | S1(S)S2(S)S9(S) (OVERWIT? OR OVER() (WRITE? OR WRITTEN OR W-RITING) OR RECOVER? OR RESTOR?) |
| S16 | 37 | S1(10N)S2(10N)S9(10N) (OVERWIT? OR OVER() (WRITE? OR WRITTEN OR WRITING) OR RECOVER? OR RESTOR?) |
| S17 | 51 | S16 OR S13 OR S12 |
| S18 | 40 | RD (unique items) |
| S19 | 32 | S18 NOT PY>2001 |
| S20 | 31 | S19 NOT PD=20011130:20031130 |
| S21 | 31 | S20 NOT PD=20031130:20040501 |
| File 275:Gale Group Computer DB(TM) 1983-2004/Apr 30 (c) 2004 The Gale Group | | |
| File 647:CMP Computer Fulltext 1988-2004/Apr W3 (c) 2004 CMP Media, LLC | | |
| File 674:Computer News Fulltext 1989-2004/Apr W3 (c) 2004 IDG Communications | | |
| File 148:Gale Group Trade & Industry DB 1976-2004/Apr 30 (c)2004 The Gale Group | | |
| File 160:Gale Group PROMT(R) 1972-1989 (c) 1999 The Gale Group | | |

21/3,K/1 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

02535009 SUPPLIER NUMBER: 77808507 (USE FORMAT 7 OR 9 FOR FULL TEXT)
DATA BACKUP -- DATA DISASTER CURE -- GoBack 3 Deluxe provides more than an
ounce of prevention. (Roxio's) (Software Review) (Evaluation)
Behr, Alyson
InternetWeek, 28
Sept 3, 2001
DOCUMENT TYPE: Evaluation ISSN: 1096-9969 LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 953 LINE COUNT: 00076

... to your C drive as it was in the past-so you can view and **retrieve**
a few folders in their **original versions** . The **software** also lets you
retrieve deleted or **overwritten** files after having performed a revert
in the event you need only one or two...

21/3,K/5 (Item 5 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

01583400 SUPPLIER NUMBER: 13404344 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Maintaining sanity. (USM's Magnifile version 3.0 application maintenance
utility program) (Products) (Brief Article) (Product Announcement)**
MIDRANGE Systems, v6, n2, p39(1)
Jan 26, 1993
DOCUMENT TYPE: Product Announcement ISSN: 1041-8237 LANGUAGE:
ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 159 LINE COUNT: 00013

Magnifile is a file editor, report generator and conversion,
documentation, query, **retrieval**, **restoration** and spreadsheet-like tool.
It allows users to revoke all actions and **restore files** to their
previous status if necessary. Magnifile prompts users to confirm actions,
and on-line messages provide feedback at all stages and levels of work.
Magnifile features include editing or **updating** two files on the screen at
the same time, creating external file definitions and copying...

21/3,K/13 (Item 13 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

01373293 SUPPLIER NUMBER: 09461699 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Daemons and dragons: source-file control. (column)
Kolstad, Rob
UNIX Review, v8, n10, p86(4)
Oct, 1990
DOCUMENT TYPE: column ISSN: 0742-3136 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1686 LINE COUNT: 00133

ABSTRACT: UNIX systems administrators often have to **change files** and it is sometimes necessary to recover **previous** data by reverting to a **previous version** of a file. However, recovery of the **previous** file can be difficult and time-consuming. There are tools called source-code control systems or **revision** -control systems that keep track of file **revisions** . Two of the most popular tools are RCS, from the Free Software Foundation, and SCCS, which is available with System V and BSD. **Versions** are the main concept in **revision** control. The editor of the file tells the reversion control system when the file should be saved. The control system keeps a copy of the file, assigns a **version** name and asks the user what changes were made. This status information is saved with the file for **retrieval** later. Usage of the RCS tool is discussed in detail.

21/3,K/14 (Item 14 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

01364920 SUPPLIER NUMBER: 08662878 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Get smart data recovery from the improved Norton Utilities. (Software
Review) (evaluation)**

Van Kirk, Doug

PC-Computing, v3, n8, p37(2)

August, 1990

DOCUMENT TYPE: evaluation ISSN: 0899-1847 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 755 LINE COUNT: 00057

... of your disk.

The Disk Doctor is good but not perfect, and it may not **restore**
files to their **original** state. So **Version** 5.0 includes an "undo"
option that **returns** the disk to its faulty condition. At that point, you
can take a more traditional approach to **recovery** by using the classic
Norton Disk Editor, which lets you edit the disk byte by...

21/3,K/16 (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2004 CMP Media, LLC. All rts. reserv.

01242237 CMP ACCESSION NUMBER: INW20010903S0042
DATA BACKUP - DATA DISASTER CURE - GoBack 3 Deluxe provides more than an
ounce of prevention

ALYSON BEHR
INTERNETWEEK, 2001, n 876, PG28
PUBLICATION DATE: 010903
JOURNAL CODE: INW LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: REVIEWS
WORD COUNT: 907

... to your C drive as it was in the past -so you can view and
retrieve a few folders in their **original versions** . The **software**
also lets you **retrieve** deleted or **overwritten** files after having
performed a revert in the event you need only one or two...

21/3,K/22 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

14054581 SUPPLIER NUMBER: 80205904 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Are you XPerienced?(Windows XP)(Product Announcement)
McKENNA, IAN
Money Marketing, 34
Nov 1, 2001
DOCUMENT TYPE: Product Announcement ISSN: 0958-3769 LANGUAGE:
English RECORD TYPE: Fulltext
WORD COUNT: 1296 LINE COUNT: 00096

... snapshots of system set-ups to be taken so machines can be quickly
reverted to **previous** settings if **software** is installed that creates
conflicts. Using a **rollback** system, previous settings can be **restored**
in minutes.

Another feature I would expect to be popular is the remote desktop.
This is only available in the Professional **version** of XP but will allow
users to access their own computers set up over another...

21/3,K/23 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

12868636 SUPPLIER NUMBER: 67687335 (USE FORMAT 7 OR 9 FOR FULL TEXT)
SystemSoft Adds Another Productivity Tool to Its Windows Utilities
Offerings - Now Reselling Raxco Software's Personal Worksaver.
Business Wire, 2498
Dec 7, 2000
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 765 LINE COUNT: 00067

... have access to as often as they want to. It enables users to store multiple **versions** of the same file, and quickly find and **retrieve** any **version** they saved. But if they're doing work that is changing, such as writing software code or running financial information, Personal WorkSaver lets them save progressive changes, without **overwriting** files they saved **previously**. That lets them go back to a previous **version** of the file and work from there," Mr. Abusamra said.

Personal WorkSaver also is important in data **recovery**, because users can schedule Personal WorkSaver to run many times a day. In the event ...

| Set | Items | Description |
|-----|---------|--|
| S1 | 320135 | UPDAT? OR UP() (DATING OR DATE?) OR VERSION? OR REVISION? OR MODIFICATION? OR BETA |
| S2 | 472295 | RETURN? OR RETRIEV? OR ROLLBACK? OR ROLL()BACK? OR REINSTA-T? |
| S3 | 2429056 | ORIGINAL? OR OLDER? OR PREVIOUS? OR FIRST? OR 1ST OR UNREV-IS? OR UNMODIF? |
| S4 | 232 | TRANSFORMATION()OPERATOR? OR (DIFFERENC? OR CHANG? OR REVI-SION?) () (FILE? OR DATASET?) |
| S5 | 2441 | S1 AND S2 AND S3 |
| S6 | 0 | S4 AND S5 |
| S7 | 369 | S2(2N)S3 AND S1 |
| S8 | 147 | S7 AND (SOFTWARE? OR APPLICATION? OR FILE? OR PROGRAM?) |
| S9 | 121 | S8 AND IC=G06F? |
| S10 | 119 | S9 NOT AD>20011130 |
| S11 | 13759 | S3(2N) (FILE? OR SOFTWARE? OR PROGRAM? OR APPLICATION?) |
| S12 | 16 | S10 AND S11 |
| S13 | 20 | S4 AND (OVERWRIT? OR OVER() (WRITE? OR WRITTEN OR WRITING) - OR RECOVER? OR RESTOR?) |
| S14 | 20 | S13 NOT S12 |

File 347:JAPIO Nov 1976-2003/Dec(Updated 040402)
(c) 2004 JPO & JAPIO

File 350:Derwent WPIX 1963-2004/UD,UM &UP=200427
(c) 2004 Thomson Derwent

14/5/16 (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

013843546

WPI Acc No: 2001-327759/200134

Related WPI Acc No: 2001-123032; 2001-123033; 2001-335326; 2003-764721

XRFX Acc No: N01-235821

Method for backing up and restoring a previous state of a computer system in which certain files are copied in full while other files only have their changes recorded

Patent Assignee: MICROSOFT CORP (MICT)

Inventor: CHAVEZ A S; HARDER B; MAROK K S; SOY N R; THOMAS A F

Number of Countries: 095 Number of Patents: 004

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|---------------|------|----------|----------------|------|----------|----------|
| WO 200101251 | A1 | 20010104 | WO 2000US18093 | A | 20000630 | 200134 B |
| AU 200062029 | A | 20010131 | AU 200062029 | A | 20000630 | 200134 |
| EP 1194851 | A1 | 20020410 | EP 2000948551 | A | 20000630 | 200232 |
| | | | WO 2000US18093 | A | 20000630 | |
| JP 2003503792 | W | 20030128 | WO 2000US18093 | A | 20000630 | 200309 |
| | | | JP 2001507195 | A | 20000630 | |

Priority Applications (No Type Date): US 99141757 P 19990630

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200101251 A1 E 30 G06F-011/14

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT
RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

AU 200062029 A G06F-011/14 Based on patent WO 200101251

EP 1194851 A1 E G06F-011/14 Based on patent WO 200101251

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
LI LT LU LV MC MK NL PT RO SE SI

JP 2003503792 W 34 G06F-012/00 Based on patent WO 200101251

Abstract (Basic): WO 200101251 A1

NOVELTY - Computer files are divided into two groups. The first group of files are those which are expected to change frequently and these are copied in full into a **restoration** log. For other, less frequently **changed**, **files** only the changes are recorded in the **restoration** log. When a previous state of the computer has to be **restored**, the current version of the files in the first group is **overwritten** with the copies from the **restoration** log and the changes in each file in the second group which are recorded in the **restoration** log are undone.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for

(a) a computer readable medium carrying instructions for backing up and **restoring** a computer system

(b) a method of **restoring** previously backed up files

(c) a computer readable medium carrying instructions for **restoring** previously backed up files

(d) a method of backing up files on a computer system

(e) a computer readable medium carrying instructions for backing up files on a computer system

(f) a system for backing up and **restoring** the state of a computer system

(g) and a computer readable medium carrying a data structure.

USE - In computer systems.

ADVANTAGE - Optimizes the storage and processing resources needed to store a backup position.

pp; 30 DwgNo 0/4

Title Terms: METHOD; BACKING; UP; **RESTORATION** ; STATE; COMPUTER; SYSTEM;
FILE; COPY; FULL; FILE; CHANGE; RECORD

Derwent Class: T01; U21

International Patent Class (Main): G06F-011/14; G06F-012/00
File Segment: EPI

14/5/17 (Item 8 from file: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

013514653 **Image available**
WPI Acc No: 2000-686599/200067
XRPX Acc No: N00-507650

**Secure communication performing method for computer networks, involves
analyzing received instruction and verifying protected instruction and
processing after successful verification**

Patent Assignee: DAGG LLC (DAGG-N)
Inventor: CORTHELL D
Number of Countries: 091 Number of Patents: 004
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|--------------|------|----------|---------------|------|----------|----------|
| WO 200046677 | A1 | 20000810 | WO 2000US2570 | A | 20000201 | 200067 B |
| AU 200033549 | A | 20000825 | AU 200033549 | A | 20000201 | 200067 |
| US 6192477 | B1 | 20010220 | US 99243097 | A | 19990202 | 200112 |
| EP 1179196 | A1 | 20020213 | EP 2000911688 | A | 20000201 | 200219 |
| | | | WO 2000US2570 | A | 20000201 | |

Priority Applications (No Type Date): US 99243097 A 19990202

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|--|------|-----|----|-------------|------------------------------|
| WO 200046677 | A1 | E | 29 | G06F-011/00 | |
| Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW | | | | | |
| AU 200033549 | A | | | G06F-011/00 | Based on patent WO 200046677 |
| US 6192477 | B1 | | | G06F-011/00 | |
| EP 1179196 | A1 | E | | G06F-011/00 | Based on patent WO 200046677 |
| Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI | | | | | |

Abstract (Basic): WO 200046677 A1

NOVELTY - Computer data space is divided into secure and network interface portions (204,206). When communication is established between computers, a redirector (214) analyzes the received instruction, and passes protected instruction to a filter (216) for verification and processing. The files stored in the portions are compared, and **changed files are restored** to original state.

DETAILED DESCRIPTION - The received instruction is passed to the operating system if it is not protected instructions. INDEPENDENT CLAIMS are also included for the following:

- (a) secure communication performing system;
- (b) secure communication performing program

USE - For securing data while communication is established in computer network.

ADVANTAGE - Provides simple, efficient and reliable method for protecting the integrity of data stored computer. Suspicious instruction are trapped and the user allows to authorize execution selectively. Provides a high degree of protection for networked user regardless of the presence of firewall.

DESCRIPTION OF DRAWING(S) - The figure shows the schematic representation of the partitioning of computer's data space.

Secure portion (204)
Network interface portion (206)
Redirector (214)
Filter (216)
pp; 29 DwgNo 2/8

Title Terms: SECURE; COMMUNICATE; PERFORMANCE; METHOD; COMPUTER; NETWORK;
RECEIVE; INSTRUCTION; VERIFICATION; PROTECT; INSTRUCTION; PROCESS; AFTER;
SUCCESS; VERIFICATION

Derwent Class: T01

International Patent Class (Main): G06F-011/00
File Segment: EPI

| Set | Items | Description |
|-----|---------|--|
| S1 | 3194699 | UPDAT? OR UP() (DATING OR DATE?) OR VERSION? OR REVISION? OR MODIFICATION? OR BETA |
| S2 | 604130 | RETURN? OR RETRIEV? OR ROLLBACK? OR ROLL()BACK? OR REINSTA-T? |
| S3 | 5893267 | ORIGINAL? OR OLDER? OR PREVIOUS? OR FIRST? OR 1ST OR UNREV-IS? OR UNMODIF? |
| S4 | 613 | TRANSFORMATION()OPERATOR? OR (DIFFERENC? OR CHANG? OR REVI-SION?) () (FILE? OR DATASET?) |
| S5 | 10346 | S1 AND S2 AND S3 |
| S6 | 0 | S4 AND S5 |
| S7 | 629 | S2(2N)S3 AND S1 |
| S8 | 185 | S7 AND (SOFTWARE? OR APPLICATION? OR FILE? OR PROGRAM?) |
| S9 | 65875 | S3(2N) (FILE? OR SOFTWARE? OR PROGRAM? OR APPLICATION?) |
| S10 | 28 | S4 AND (OVERWIT? OR OVER() (WRITE? OR WRITTEN OR WRITING) - OR RECOVER? OR RESTOR?) |
| S11 | 13 | S8 AND S9 |
| S12 | 41 | S10 OR S11 |
| S13 | 27 | RD (unique items) |
| S14 | 21 | S13 NOT PY>2001 |
| S15 | 119 | S3 AND S4 |
| S16 | 80355 | S3(2N) (VERSION? OR FILE? OR APPLICATION? OR PROGRAM? OR SO-FTWARE?) |
| S17 | 3 | S15 AND S16 |
| S18 | 1 | S15 AND S2 |

?show files

File 8: Ei Compendex(R) 1970-2004/Apr W3
(c) 2004 Elsevier Eng. Info. Inc.

File 35: Dissertation Abs Online 1861-2004/Apr
(c) 2004 ProQuest Info&Learning

File 65: Inside Conferences 1993-2004/Apr W4
(c) 2004 BLDSC all rts. reserv.

File 2: INSPEC 1969-2004/Apr W3
(c) 2004 Institution of Electrical Engineers

File 94: JICST-EPlus 1985-2004/Apr W2
(c) 2004 Japan Science and Tech Corp(JST)

File 111: TGG Natl. Newspaper Index(SM) 1979-2004/Apr 30
(c) 2004 The Gale Group

File 233: Internet & Personal Comp. Abs. 1981-2003/Sep
(c) 2003 EBSCO Pub.

File 6: NTIS 1964-2004/May W1
(c) 2004 NTIS, Intl Cpyrght All Rights Res

File 144: Pascal 1973-2004/Apr W3
(c) 2004 INIST/CNRS

File 434: SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 1998 Inst for Sci Info

File 34: SciSearch(R) Cited Ref Sci 1990-2004/Apr W4
(c) 2004 Inst for Sci Info

File 99: Wilson Appl. Sci & Tech Abs 1983-2004/Mar
(c) 2004 The HW Wilson Co.

12/5/5 (Item 5 from file: 347)
DIALOG(R) File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

03415147 **Image available**
FILE CONTROLLER

PUB. NO.: 03-078047 [JP 3078047 A]
PUBLISHED: April 03, 1991 (19910403)
INVENTOR(s): WAKAMATSU KAZUYUKI
SAITO YUKINORI
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP
(Japan)
NEC SOFTWARE LTD [491061] (A Japanese Company or Corporation)
, JP (Japan)
APPL. NO.: 01-215372 [JP 89215372]
FILED: August 22, 1989 (19890822)
INTL CLASS: [5] **G06F-012/00 ; G06F-015/40**
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units); 45.4
(INFORMATION PROCESSING -- Computer **Applications**)
JOURNAL: Section: P, Section No. 1219, Vol. 15, No. 247, Pg. 2, June
25, 1991 (19910625)

ABSTRACT

PURPOSE: To reduce log information and speed up restoration processing by compressing information to be stored in a log **file** by a means which rolls back and forward records on the **file** controller.

CONSTITUTION: Only information indicating in-block movement is recorded as log information in a log **file** 4 when record **updated** information is **updated** by movement in a block. Then the information of an index **file** 1 is saved in a stand-by **file** 7, which is inputted and restored to an **original file** . A **roll - back** processing part 5 invalidates the **update** processing of **files** following a check point generated by a transaction according to the contents of the **file** and a roll-forward processing part 6 restores the **file** to the **file** at the check point if the **file** damages. Consequently, the log information is reduced and the restoration processing is speeded up.

14/5/10 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015544677 **Image available**
WPI Acc No: 2003-606833/200357
XRPX Acc No: N03-483845

File backup method in computer system, involves computing transformation operator which indicates differences between original and new file version and storing it in memory

Patent Assignee: NOREN G T (NORE-I)

Inventor: NOREN G T

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|----------------|------|----------|---------------|------|----------|----------|
| US 20030105912 | A1 | 20030605 | US 2001998513 | A | 20011130 | 200357 B |

Priority Applications (No Type Date): US 2001998513 A 20011130

Patent Details:

| Patent No | Kind | Lan Pg | Main IPC | Filing Notes |
|----------------|------|--------|---------------|--------------|
| US 20030105912 | A1 | | 9 G11C-005/00 | |

Abstract (Basic): US 20030105912 A1

NOVELTY - A new file version (74) is created by changing an original file version (70) read from the memory of the computer system. A **transformation operator** (72) which indicates the differences between the original and new file versions, is computed, and is stored in a redundant array of independent disk (RAID) memory, along with the new file version.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) file original version **recovering** method; and
- (2) computer system.

USE - For backing-up file in computer system (claimed).

ADVANTAGE - The original file version is easily reproduced, since the **transformation operator** which indicates the differences between the original and new file versions, is computed and stored in the RAID memory.

DESCRIPTION OF DRAWING(S) - The figure shows the sequence diagram explaining the file backup method.

original file version (70)

transformation operator (72)

new file version (74)

pp; 9 DwgNo 1A/4

Title Terms: FILE; METHOD; COMPUTER; SYSTEM; COMPUTATION; TRANSFORM;

OPERATE; INDICATE; DIFFER; ORIGINAL; NEW; FILE; VERSION; STORAGE; MEMORY

Derwent Class: T01

International Patent Class (Main): G11C-005/00

File Segment: EPI